

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D135-1027 REV. E AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D135-1027 REV. 2 OR LATER APPROVED REVISIONS
REF. TCCA STC: SH18-49
REF. FAA STC: SR04276NY
REF. EASA STC: 10068097
REF. DGAC MEXICO STC: IA-633/2019

1.0 PURPOSE

The purpose of this Dart Service Instruction (DSI) is to clarify the installation of the OEM Bonding Straps onto D135-1027-101/-103 Fwd Crosstubes Installations.

Additionally, this DSI clarifies the Daily Check for moving or slipping of the supports per Instructions for Continued Airworthiness ICA-D135-1027.

2.0 SADDLE / GROUNDING STRAP INSTALLATION

During installation of the D5415-1/-3 Saddles per Figure 4/5 of IIN-D135-1027 or Figure 32.2/32.3 of ICA-D135-1027, the OEM Grounding Straps are selected per Table 1 of this DSI. The opposite end of the Grounding Strap is attached to the skidtube using hardware per the skidtube manufacturer's applicable instructions.

DART FWD CROSSTUBE	GROUNDING STRAP MANUFACTURER	GROUNDING STRAP PART NUMBER
D135-1027-101 STD HEIGHT	AIRBUS	L321M1017101 (or equivalent)
D135-1027-103 MID HEIGHT	AIRBUS	L321M1018101 (or equivalent)

TABLE 1

During installation of the D5415-1/-3 Saddles on the fwd crosstube, it is acceptable to reverse the installation of the AN5-44A Bolt and associated hardware as shown in Figure 1 of this DSI. The saddles should otherwise be installed per Installation Instructions IIN-D135-1027 or Instructions for Continued Airworthiness ICA-D135-1027.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

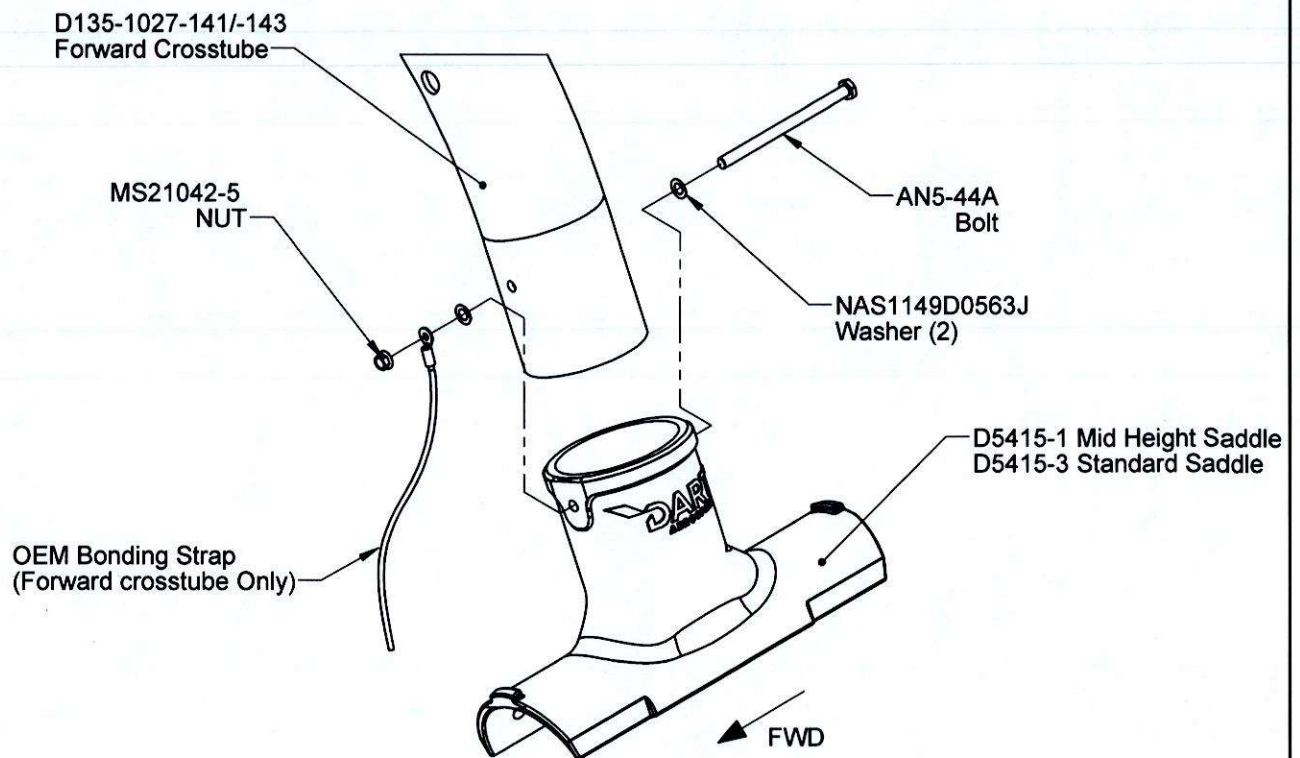
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BY: 
D. SHEPHERD (DE # 02)

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A	NEW ISSUE	SAD	21.07.06
REV.	DESCRIPTION	BY	DATE
DESIGN	SAD	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	SAD		
CHECKED	MB	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9855	SHEET 1 OF 3
APPROVED	CP	TITLE SADDLE AND SUPPORT	SCALE
DE APPR.	DS	INSTALLATION	NTS
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**FIGURE 1 - OPTIONAL SADDLE CONFIGURATION
(FWD CROSSTUBES ONLY)**

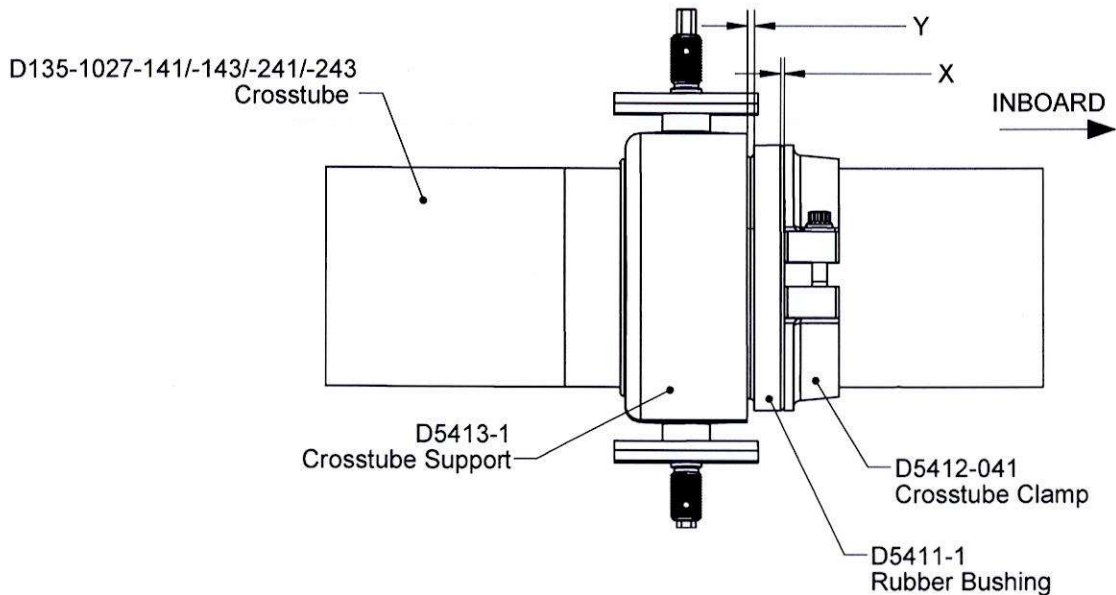
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MFG. APPR.	N/A	DSI 9855	SHEET 2 OF 3
APPROVED	CP	TITLE SADDLE AND SUPPORT INSTALLATION	SCALE
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3.0 DAILY CHECK OF CROSSTUBE SUPPORT

When performing the Daily Check for moving or slipping of the supports per Section 5.1(g) of ICA-D135-1027, excessive moving or slipping is defined as follows:

Refer to Figure 2. The maximum total gap between the Crosstube Clamp & Rubber Bushing ("X") and between the Rubber Bushing & Crosstube Support ("Y") is 0.12in (3mm): $X+Y \leq 0.12\text{in (3mm)}$. If the total gap exceeds 0.12in (3mm), the Crosstube Support, Rubber Bushing, and Crosstube Clamp must be repositioned flush i.a.w. Section 5.3.5 and Section 32.3 of ICA-D135-1027.



**FIGURE 2 - CROSSTUBE SUPPORT INSPECTION
(VIEW LOOKING UP)**

4.0 WEIGHT AND BALANCE

This change has no effect on Weight and Balance.

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